Class Tasks C3
Reviewing and Refining The Data Model Solution
Suggested Answers

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Class Task 1.1 – Reviewing the Data Model Solution

Individually or in small groups.

Review your test plan data and user feedback.

List all the recommended changes and identify if you are going to implement the changes.

Justify your decisions.

Present your findings to the group.

Time Allowed: 20 minutes.

Suggested Answer

Feedback Source	Feedback	Implemented?	Justification
Test Plan	FAILED TEST #3 The word Expenses appears in the drop down.	YES	I am going to make this change because it won't take too long to fix. I need to change the Expenses named range to not include the first row of data. This should only take about 15 minutes to fix.
User #1 Feedback	Add help descriptions to each page	YES	I am going to make this change because the user is correct and adding some help instructions will make the sheet easier to use. This will not take a long time to implement, and I can achieve this in the time available.
User #1 Feedback	Change the colours on the job and expenses sheet.	NO	I am not going to make this change, because there were no colours specified on the initial requirements document. I could make the change and the user would still not be happy. I am only going to make this change after another meeting with the client to identify exactly which colours they want.

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Feedback Source	Feedback	Implemented?	Justification
User #1 Feedback	Corporation Tax should be green when 0	YES	I am going to make this change because it is an easy change to make. It will involve creating two conditional formatting rules for the value in the corporation tax cell, for numbers greater or equal to 0. This will not take a long time to implement, and I can achieve this in the time available.
User #1 Feedback	All cells are editable.	YES	I am going to make this change because it is an easy change to make. It will involve identifying the user input cells in all sheets and locking the others. This will not take a long time to implement, and I can achieve this in the time available.
User #1 Feedback	Add more data	NO	I am not going to make this change because the user did not require this to begin with. It would take a long time to change the layout of the form to allow for new data to be added and this is not achievable in the time available.
User #2 Feedback	Add pop-up help to each total	NO	I am not going to make this change as there are too many total cells and this change would take too long. I am going to add help to each page so this should rectify the issue.
User #2 Feedback	All the data is changeable?	YES	I have already agreed to make the change for User #1
User #2 Feedback	Why are EXPENSES and TAX CODE visible as part of the drop down	YES	I am going to make this change because the EXPENSES issue was identified in testing. It is going to be a similar fix for the TAX CODE and will not take too long to change.

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Class Task 1.2 – Refining The Data Model Solution.

Individually or in small groups.

Based on your review, refine your data model.

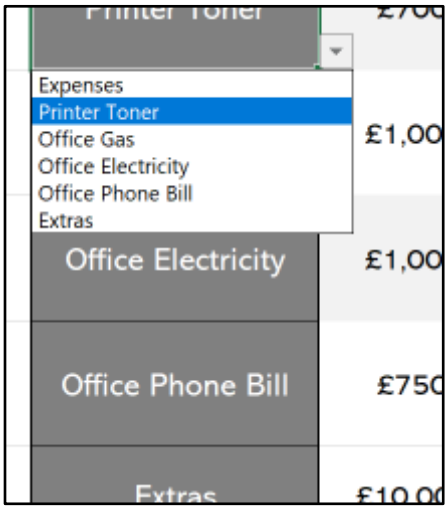
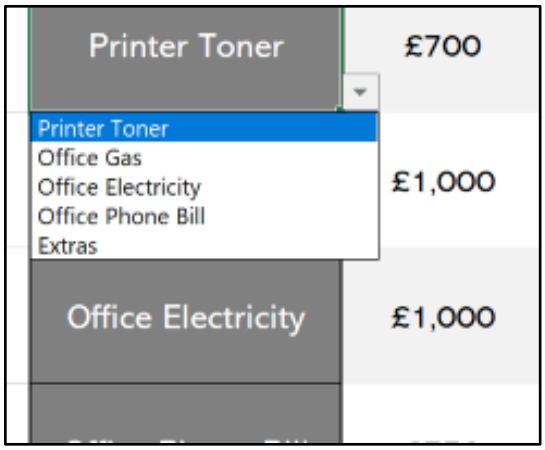
Include before and after screenshots of your changes as well as a brief explanation of what you did.

Present your findings to the group.

Time Allowed: 35 minutes.

Suggested Answer

Refinement 1 – The Word Expenses appears in the Drop Down.

Before	After
	
The Expenses named range was changed to only use data from cells B19:C23 instead of B18:C23	

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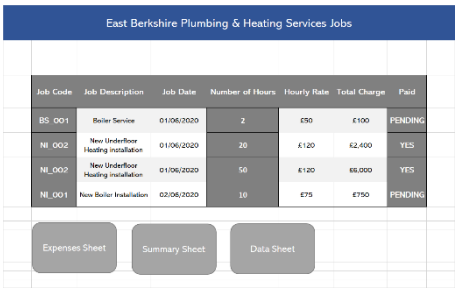
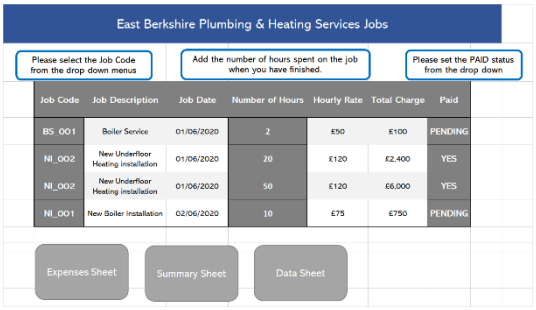
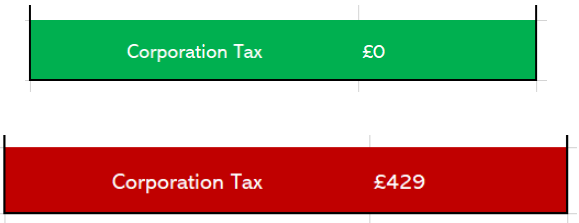
Refinement 2 – Help Descriptions on Each Page

Before	After
	

Basic shapes have been added to the job sheet and expenses sheet as well as the data sheet. Only the Job sheet has been presented as evidence.

Refinement 3 – Corporation Tax should be green if 0.

Before	After
	

Two conditional formatting rules were added.

One rule was to check the value of the cell to see if it was equal to 0 and then the green conditional formatting applied; the other was to test to see if the value of the cell was greater than 0 and the red conditional formatting was applied.

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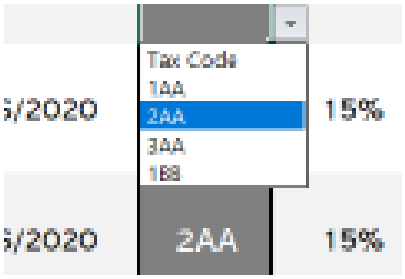
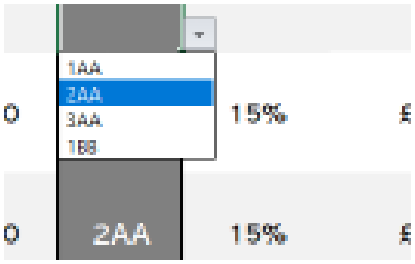
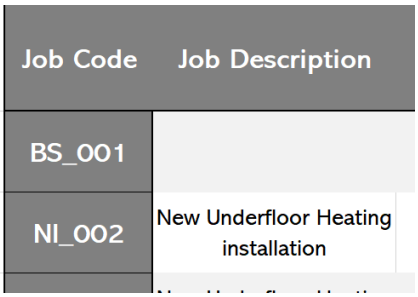
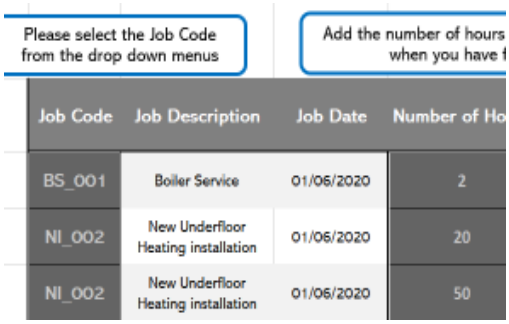
Refinement 4 – Tax Code from the Drop Down Menu.

Before	After
	
The TaxCode named range was changed to only use data from cells B11:C14 instead of B10:C14	

Refinement 5 – All Cells Are Editable

Before	After
	
In the job sheet, job code, number of hours and paid are editable. In the expenses sheet, the expenses and tax code columns are editable. All other cells in all spreadsheets are locked.	

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Class Task 1.3 – Extending the Data Model Solution.

Individually or in small groups.

Identify as many ways as possible that you could extend your data model.

Present your findings to the group.

Time Allowed: 10 minutes.

Suggested Answer

- Add links to the main menu to each page.
- Add a VBA macro to allow the user to automatically save a copy of the sheet.
- Create a data entry form to allow new Expenses to be entered into the data sheet.
- Create a data entry form to allow new Tax codes to be entered into the data sheet.
- Create a data entry form to allow new Jobs to be entered into the data sheet.
- Create a data entry form to allow new Expenses to be entered into the Expenses sheet.
- Create a data entry form to allow new Jobs to be entered into the Job sheet.
- Change the colours of the Expenses and Job sheet.
- Add help pop ups to each of the calculated cells.

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Class Task 1.4 – Evaluating the Data Model Solution.

Individually or in small groups.

Explain how well your model meets the scenario and justify your answer.

Present your findings to the group.

Time Allowed: 10 minutes.

Suggested Answer

I think the data model meets the scenario very well because I have created four worksheets that break the functionality of the data down for the user.

The job sheet meets the scenario very well because the user can only enter data into two drop down menus and there are error messages if the wrong data is entered. The rest of the sheet is locked to prevent a user accidentally deleting things.

The Expenses sheet meets the scenario very well because the user can only enter data into two drop down menus and there are error messages if the wrong data is entered. The rest of the sheet is locked to prevent a user accidentally deleting things.

The Summary sheet meets the scenario very well because all the calculations work as expected and there is required conditional formatting on the corporation tax totals that quickly show the user if there is or is not any tax to pay.

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